



Dart Aerospace Ltd.  
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Canada

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**U/R**

*MZa*  
*JUN 25/19*

**C3-18-1**

**Job Sheet 196927**



Part No: C3-18-1

Job Qty: 4 pcs

Part Name: Lifting Plate



Part Weight: 0 lbs

Status: New

Priority: High

Job Created: 6/25/19

Job Tracking No:

Due Date: 6/26/19

Created By: Jennifer Renwick

Type: SOLD

Description:

Note: DWG C3-18-1 Rev 4 IPP Rev A 18.04.02 New issue DP Verify DD

Ship Via:

*CLAY TO MFS @ REV-4 WITH C3-C @ REV*

*4.*

### Bill of Materials

### Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off           |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|--------------------|
|       |                     |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                    |
| 110   | Waterjet - Omax - 1 | 4 pcs | 6/26/19    | 6/26/19  | 0.00      | 0.40    | Waterjet - Omax       |           | <i>06/19/20/25</i> |
| 120   | QC 2                | 4 pcs | 6/26/19    | 6/26/19  | 0.00      | 0.00    | QC 2 - 1              |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 12             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 14             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 17             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 19             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 2              |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 20             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 22             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 23             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 25             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 32             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 33             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 35             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 39             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 4              |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 40             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 44             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 45             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 48             |           | <i>06/19/20/25</i> |
|       |                     |       |            |          |           |         | QC 2 - 49             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 50             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 51             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 52             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 57             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 62             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 63             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 8              |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 66             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 64             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 65             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 5              |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 71             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 73             |           |                    |
|       |                     |       |            |          |           |         | QC 2 - 69             |           |                    |
| 130   | QC 8                | 4 pcs | 6/26/19    | 6/26/19  | 0.00      | 0.00    | QC 8 - 12             |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 14             |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 17             |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 20             |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 25             |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 3              |           |                    |
|       |                     |       |            |          |           |         | QC 8 - 32             |           |                    |

*MZa*  
*JUN 25/19*

|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|-------------------------|--------------|------------------------|
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 33    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 35    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 39    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 4     |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 44    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 45    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 49    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 58    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 8     |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 9     |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 68    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 67    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 1 (A) |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 47    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 40    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 52    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 23    |                        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         | QC 8 - 57    |                        |
| 140                                                                                                                                                                                                                                                                                                          | Packaging 3-1 - Stock - B4B | 4 pcs               | 6/26/19                 | 0.00 0.00    | Packaging 3 - 1 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 2 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 3 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 4 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 5 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 6 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 7 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 8 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 9 - B4B  |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 10 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 11 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 12 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 13 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 14 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 15 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 16 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 17 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 18 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 19 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 20 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 21 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 22 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 23 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 24 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 25 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 26 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 27 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 28 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 29 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 30 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 31 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 32 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 33 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 34 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 35 - B4B |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | Packaging 3 - 36 - B4B |
| 150                                                                                                                                                                                                                                                                                                          | QC 21 - SA                  | 4 pcs               | 6/26/19                 | 0.00 0.00    | QC 21 - SA - 21        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | QC 21 - SA - 70        |
|                                                                                                                                                                                                                                                                                                              |                             |                     |                         |              | QC 21 - SA - 53        |
| Part Op 110 - 1-Cut as per Dwg Dwg Rev: <u>4</u> Prog Rev: <u>4</u> 2-Deburr if necessary<br>Descriptions: 120 - QC2- Inspect parts off machine FA/FAIB<br>130 - QC8- Inspect parts - second check<br>140 - Identify as per dwg & Stock Location: _____<br>150 - QC21- Final Inspection - Work Order Release |                             |                     |                         |              |                        |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                               |                             |                     |                         |              |                        |
| Part / Item                                                                                                                                                                                                                                                                                                  | Component Name              | Quantity            | Operation               | Container    |                        |
| M4130NS.188                                                                                                                                                                                                                                                                                                  | 4130 Sheet .188             | 1.0640 sf (.266 ea) | 110-Waterjet - Omax - 1 | S078150      |                        |

DAS  
40  
9-89

CL

DAS  
70  
9-89

| Job Allocations                    |                |          |           |           |
|------------------------------------|----------------|----------|-----------|-----------|
| Operation                          | Component Part | Required | Inventory | Allocated |
| 110-Waterjet - Omax - 1            | M4130NS.188    | 1        | 11        | 0         |
| Part Specifications                |                |          |           |           |
| Specifications could not be found. |                |          |           |           |

Plex 6/25/19 12:13 PM Dart.Renwick.Jennifer





## Under Review Notification

**Raised By:** VANESSA MOREL

**Product #:** DART TOOLING EXTERNAL LOAD

**Date:** 17.12.14

**Product Name:** C3-C

| Part Number<br>(D-Part and 9-Digit)<br>(eg. D3535-11)<br>(eg. D3535-25)<br>(eg. D206-642-143) | Drawing or Document<br>& <u>Current</u> Affected Revision<br>for each part listed | "Y" or "N" Required for Each Part<br>Do not leave blank |                          |                  |                 |               |                  |                                                      | Reserved ECN Log Number | Instructions Relevant to Each Part<br>(including whether CHG #'s will be affected) |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|-----------------|---------------|------------------|------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|
|                                                                                               |                                                                                   | HOLD SHIPMENT                                           | Red Tag/Quarantine Stock | Advise Customers | Stop Production | Re-Work Stock | IPP Under Review | Product Specifications<br>Under Review ("Bluefiles") |                         |                                                                                    |
| C3-18-1                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-2                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-3                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-4                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-5                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-6                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-18-7                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-19C                                                                                        | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-C                                                                                          | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  | see engineering for WO currently in prgress                                        |
| C3-19-1                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  |                                                                                    |
| AN960-616                                                                                     | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  |                                                                                    |
| C3-19-3                                                                                       | C3-C REV 3                                                                        | N                                                       | N                        | N                | N               | N             | Y                | Y                                                    | 17-786                  |                                                                                    |

**Description of Issue:**

NUMEROUS ISSUES

C3-18-1: DIMENSIONS CHANGED & MATERIAL CHANGED, FIT ISSUE WITH CAGE /

C3-18-2: MATERIAL CHANGED & NOTES REMOVED, FIT ISSUE

C3-18-3: MATERIAL CHANGED & FIT ISSUE

C3-18-4: MATERIAL CHANGED & NOTES REMOVED

C3-18-5: TOLERANCE CHANGED ON OVERALL MATERIAL

C3-18-6: FIT ISSUE & MATERIAL CHANGED & ZINC PLATED ADDED

C3-18-7: FIT ISSUE, NICKEL PLATE SPEC ADDED

C3-19C: WRONG WELDING SYMBOLS, NOTES FOR ALIGMENT ADDED, TOLERANCES ADDED

C3-C: C3-19-1 CHANGED FOR AN10-23

AN960-616 CHANGED FOR NAS1149-F0663P

C3-19-3 REPLACE BY NAS1149-F1032P

**Distribution:**

VP Operations

Director of Operations

Director Quality Assurance

Director of Engineering

Chief Engineer

Engineering Project Managers

Engineering Clerk

Customer Support Manager

Production Engineers

Production Planners

Purchasing Manager

Technical Support

Product Manager - Solutions Provider

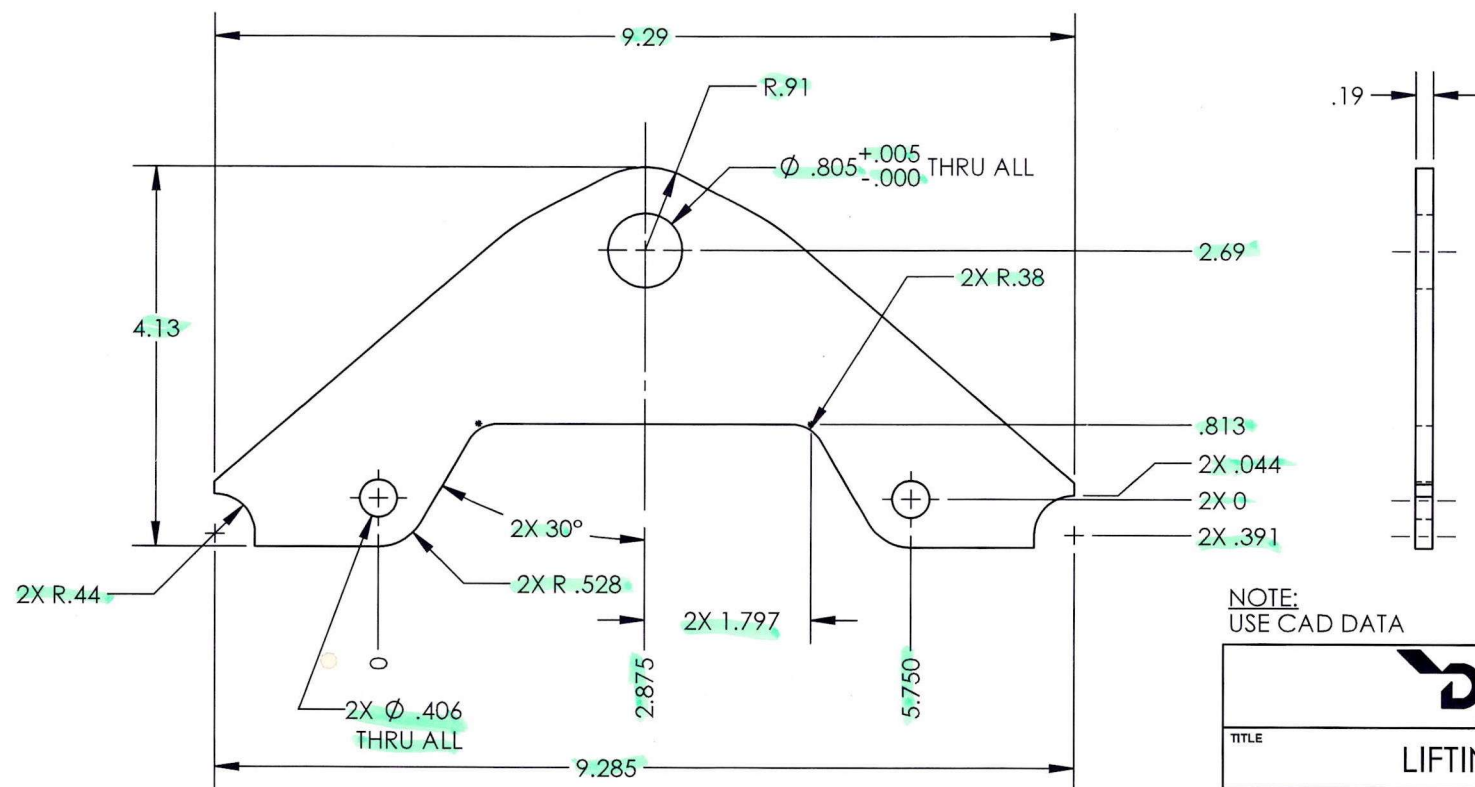


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- OMAX PROVEN  
- CANAM  
- C3-C

| REVISIONS |         |                                                                                                                                                                                                                                                                                                                                                                              |            |         |          |
|-----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV       | ECR     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                  | DATE       | INITIAL | APPROVED |
| 2         |         | AS DRAWN PER CANAM                                                                                                                                                                                                                                                                                                                                                           | 8/8/2012   |         |          |
| 3         | 16-0229 | UPDATED TO NEW STANDARD. CH'D MATL FROM A36 P&O TO 1018/1020 CR. CH'D DIMS WAS 2X Ø.386 THRU ALL IS 2X Ø.406 THRU ALL, WAS 9.291 IS 9.29, WAS 2.692 IS 2.69, WAS 4.125 IS 4.13, WAS (.188) IS .19, WAS 2X R.375 IS 2X R.38, WAS 2X R.435 IS 2X R.44, DELETED DIMS R3.000, 1.773, 1.768, 8.415, 2X .176, 2X .528, ADDED USE CAD DATA NOTE, CH'D DWG TO SHEET METAL TOLERANCE. | 11/21/2016 | DPD     | JAG      |
| 4         | 17-0175 | CH'D MATL WAS 1018/1020 CR IS A514.                                                                                                                                                                                                                                                                                                                                          | 7/17/2017  | RJC     | JAG      |

UNDER REVIEW  
URF 17-786 14.12.17 (VM)



NOTE:  
USE CAD DATA

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| <b>DART<br/>AEROSPACE</b>     |                                                        |
| TITLE<br><b>LIFTING PLATE</b> |                                                        |
| DWG NO.<br><b>C3-18-1</b>     | REV<br><b>4</b>                                        |
| MAT'L A514                    | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| HEAT TREAT                    | .XXX ± .010 FRACTIONS ± 1/8                            |
| FINISH                        | .XX ± .03 ANGLES ± 1°                                  |
| SPEC                          | .X ± .1 SURFACES = 125/                                |
| DRAWN BY: CANAM               | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| CHECKED: MACKOVJAK            | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| OPPS APPR: ANDERSON           | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| QA APPR: LINDSAY              | USED ON MODEL                                          |
| APPROVED: GILBERT             |                                                        |
| SCALE 1:2                     | DATE 11/30/2001 SHEET 1 OF 1                           |

| ASSY QTY | ASSY QTY | B/O | Part #  | UNIT QTY | Description   | Material | B/O INFORMATION OR SPECIFICATIONS |
|----------|----------|-----|---------|----------|---------------|----------|-----------------------------------|
|          |          |     | C3-18-1 | 1        | LIFTING PLATE | A514     |                                   |



**DART**  
AEROSPACE

Container No: S193798

Part: C3-18-1

Job No: 196927

Serial No/Batch: S193798

Revision: 4

Inspector:

Exp Date:

Instructions:

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Date: 06/25/19